

Appl. No. : 10/718,374
Filed : November 19, 2003

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

A complete set of claims is provided herewith.

Please cancel Claims 14-17 without prejudice.

Please amend Claims 1-11 and 18 as indicated below:

1. (Currently Amended) A repeater for mounting to an electrically powered fluorescent light fixture ~~fixtures used for providing power to common electrical devices, while maintaining functionality of said fixtures~~, said repeater unit comprising:

a transceiver unit;

a first power supply electrically coupled to said transceiver unit; ~~and~~

a plug configured to mate with a fluorescent light fixture socket; and

a housing unit for housing the transceiver and first power supply, ~~and for mechanically cooperating with said electrically powered fixture, and~~

~~said housing unit mechanically cooperates with said electrically powered fixture, and wherein said first power supply also being electrically coupled to said electric power associated with said electrically powered fixture~~ wherein said plug is provided to said housing unit.

2. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said first power supply includes a rechargeable power storage module, said module being recharged by said electrical power when supplied to said ~~electrically powered fixture~~ fluorescent light fixture socket.

3. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said first power supply includes a rechargeable power storage cell and a power charger, said power charger recharging said rechargeable power storage cell when electric power is supplied to said ~~electrically powered fixture~~ fluorescent light fixture socket.

4. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said housing unit further includes ~~mating structure for providing power to said common electrical devices~~ at least one fluorescent light socket.

Appl. No. : 10/718,374
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5. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said ~~mating structure further~~ housing unit comprises a first mating structure for mechanically installing into said ~~electrically powered~~ fluorescent light fixture.

6. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said ~~mating structure~~ housing unit further comprises a ~~second mating structure~~ fluorescent light socket for maintaining said ~~electrically powered~~ fluorescent light fixture functionality.

7. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said first power supply is powered-on when said ~~electrically powered~~ fluorescent light fixture is powered-off.

8. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said first power supply is powered-off when said ~~electrically powered~~ fluorescent light fixture is powered-on.

9. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said first power supply is being recharged when said ~~electrically powered~~ fluorescent light fixture is powered-on.

10. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said first power supply is adapted to provide ~~continuous~~ power to said ~~electrically powered fixture~~ transceiver unit even when electrical power is unavailable to the fluorescent light fixtures.

11. (Currently Amended) ~~A~~ The repeater in accordance with Claim 1, wherein said ~~electrically powered~~ fluorescent light fixture is located in an apartment building and a transducer sends a signal to said electrically powered fixture.

12. (Original) A repeater in accordance with Claim 1, wherein said transceiver unit receives a signal from at least one transducer and re-transmits said signal to a base station.

13. (Original) A repeater in accordance with Claim 1, wherein said housing unit is adapted to insert into an exit sign.

14.-17. (Canceled)

18. (Currently Amended) A method for relaying a transducer signal to a base station comprising:

housing a transceiver and first power supply in a housing having ~~mating structure~~
~~for mounting to~~ a connector configured to connect to a fluorescent light socket in a

Appl. No. : 10/718,374
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~~fluorescent light fixture existing electrically powered fixtures used for providing power to common electrical devices;~~

~~mechanically~~ connecting the ~~housing unit~~ connector to ~~said existing electrically powered fixture~~ said fluorescent light socket in said fluorescent light fixture; and

~~electrically connecting the transceiver and first power supply to a second power supply associated with said existing electrically powered fixture;~~

receiving a signal;

transmitting a signal;

~~when power is available from the second power supply, providing power to said transceiver circuit from said power supply, and for recharging the~~ providing power from said fluorescent light socket in said fluorescent light fixture to recharge said first power supply; and

when power is not available from said second power supply fluorescent light socket in said fluorescent light fixture, providing power to said transceiver circuit from said first power supply.